"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

DEDIU, A.

Anton Radulescu's Silvicultura generala (General Forestry); a book review.

P. Sil (REVISTA PADURILOR) (Bucuresti, Rumania) Vol. 71, no. 12, Dec. 1957

SO: Monthly Index of East European Accessions (EEAI) LC Vol. 7, No. 5. 1958

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

DEDIU, A.

Plans and tasks at the beginning of the forest year. p. 505

REVISTA PADURILOR. (Asociata Stiintifica a Inginerilor si Technicienilor din Romania si Ministerul Agriculturii si Silviculturii) Bucuresti, Rumania. Vol. 73, no. 9, Sept. 1958

Monthly list of East European Accessions (EEAI) LC Vol 8, No. 6, June 1959 Uncl.

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

RUMANIA / Human and Animal Morphology, Normal and Pathological. S
Nervous System.

Abs Jour : R ZhBiol., No 21, 1958, No 97066

Author : Dediu, St.
Inst : Rumanian Academy
Orig Pub : Bul. stiint. Acad. RPR. Sec. med., 1956, 8, No. 4, 987-99

Title : On the Question of Spleen Innervation

Abstract : It was shown in guinea pigs, dogs and cats that the nerve bundles in the splenic capsule are thin and their endings are distributed in the connective septa and smooth muscle elements. In the red pulp, the nerve fibers reach up to the trabeculae; a part emerges from the perivascular plexuses. In the white pulp, the nerve apparatus is distributed around the vessels. Nerve cells and sensory bodies were not found in the spleen.

Card 1/1

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

NICULESCU, Ion T.; GAHGI-PARSCHIV, A.; ONICESCU, Doina; RAILEANU, Iona; GIUGARIU, D.; DEDIU, St.; OPRESCU-LISSIVIEVICI, Elena; TRIFU, P.

Contribution to the study of nerve endings in the pancreas. Rumanian M. Rev. 1 no.2:5-10 Apr-June 57.
(PANCREAS, innervation
anat. of nerve endings)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

Rumania/Microbiology. Microbes Pathogenic for Man and F
Animals

Abs Jour : Ref Zhur-Biol., No 13, 1958, 57693

Author : Zamfirescu I., Vasilescu E., Bocirnea C., Dediu St., Duminica Al., Istodor N.

* Inst : [redacted]

Title : Diagnostic Significance of Medulloculture in Typhoid Fever. Investigation of 89 cases

Orig Pub : Med. interna, 1957, 9, No 4, 601-606

Abstract : No abstract

* Lucrare efectuate in Clinica de Boli contagioase I.M.F.

Card 1/1

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

Dr. Med. St.

HAGI-PARASHIV, A., Assit. Prof.; ENACHESCU, A.; ONICESCU, Doina; SMOLENSCHI-FOTIN, Ludmila; BOCIRNEA, C.; LISSIEVICI-OPRESCU, Elena; IRDIU, St.; RAILEANU, Ioana; RADU, Sorina

Contributions to the study of terminal nerve structures in the peritoneum. Rumanian M. Rev. 2 no.2:9-10 Apr-June 58.

(PERITONEUM, innerv.
terminal nerve structures)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

VOICULESCU, M., prof.; ZAMFIRESCU, I.; CARUNTU, Veronica; ISTODOR, N.; VALERIU, A.; RADULESCU, M.; DEDIU, St.; BOCIRNEA, C.; DUMINICA, A.; PAUN, L.; RADVAN-GEORGESCU, A.; VLAD, R.

Treatment and prophylaxis of hepatic coma in the course of epidemic hepatitis. Rumanian M Rev. no.4:29-31 O-D '60.
(HEPATITIS, INFECTIOUS complications) (HEPATIC COMA therapy)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

ZAMFIRESCU, I., dr.; VALERIU, Anca, dr.; RADULESCU, M., dr.; ANGELESCU, N., dr.; CARUNTU, Veronica, dr.; DUMINICA, A., dr.; DEDIU, St., dr.; BOCIRNEA, C., dr.; ISTODOR, N., dr.

Diagnostic criteria in viral meningitis. Med. intern. 14 no.12: 1493-1498 D '62.

1. Lucrare efectuata la Clinica I de boli contagioase I.M.F., Bucuresti (director, prof. M. Voiculescu).

(MENINGITIS, VIRAL)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

ZAMFIRESCU, I.; NICOLESCU, N.; DUMINICA, A.; DEDIU, St.; BOCIRNEA, C.; ISTODOR, N.; VALERIU, A.

Diagnostic and prognostic importance of pleuropulmonary determinations in staphylococcal septicemia. Microbiologia (Bucur) 6 no.1:26-27 Ja-F '61.

1. Clinica I de boli contagioase, Bucuresti.

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

DEDIU, St., dr.; ISTODOR, N. dr.; BOCIRNEA, C., dr.; ANGELESCU, M. dr.; RUSU, V., dr.; VASILIU, Petra, dr.; MAHION, Maria, dr.; BARON, Olga, dr.

Meningoencephalitis with Listeria monocytogenes. Med. intern. (Bucur.) 16 no.7:871-879 Jl'64.

1. Lucrare efectuata in Clinica I de boli contagioase I.M.F. [Institutul medico-farmaceutic], Bucuresti si Sectia diagnostic a Institutului "Dr. I.Cantacuzino".

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

RUMANIA

DOGARU, D., Dr, Lt-Col, DEDIU, St., Dr, MIHAILESCU, Fl., Dr, and TUDOR, V., Dr, Col [affiliation not given]

"Drug Hepatitis. In Connection with an Acute Intoxication with 'Suplin' ('Anapetol')."

Bucharest, Revista Sanitara Militara, Vol 62, No 2, Mar-Apr 66, pp 225-235.

Abstract: After reviewing possible harmful effects of drugs on the liver, the authors present and discuss a case history of acute hepatitis caused by the use of Suplin, a phenometrazine drug widely used to treat obesity. Difficulties of establishing a correct diagnosis, especially of differentiating between various forms of epidemic hepatitis, are examined, and the use of morphologic tests in addition to clinical examination is strongly urged.

Includes a bibliography with 31 entries, of which 10 Rumanian, 2 Russian, 4 German, 2 French and 11 English-language. -- Manuscript submitted 4 August 1965.

1/1

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

RUMANIA

TUDOR, V., Colonel, Medical Corps; DOGARU, D., Lieutenant-Colonel, Medical Corps; DEDIU, St., Medical Corps; NICOLAU, Gh., Lieutenant-Colonel, Medical Corps; MIHAILESCU, Florica, Medical Corps; and ENACHE, Tudorache, Medical Corps.

"Epidemiologic, Clinical, Biochemical and Morphologic Study of Patients in a Focus of Viral Hepatitis in Military Units"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 319-325

Abstract: Epidemiology and clinical data on a small epidemic among 21 soldiers in 4 weeks in October 1964. Apparent inoculation by a lot of TAB vaccine was the agent of spread, but puzzling epidemiologic contradictions are noted and discussed. 2 tables.

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

DEDJA, Spiro

Homoplasty of the aortic bifurcation. Bul. univ. shtet. Tirane [Mjek] 1:61-69 '63.

1. Spitali Ushtarak Tirane (Pregatitur ne Akademine Mjekesore te Leningradit nen drjtimin e Prof. A.N. Maksimenko shef i Katedres se Kirurgjise Operative).
(BLOOD VESSEL TRANSPLANTATION)
(AORTA, THORACIC)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

DRIKOV, A.

Extensible last with a thumb screw. Prom.koop. 14 no.7:18 Jl '60. (MIRA 13:8)

1. Glavnyy konstruktor Nauchno-issledovatel'skogo tekhnokhimicheskogo instituta.
(Shoe industry--Equipment and supplies)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

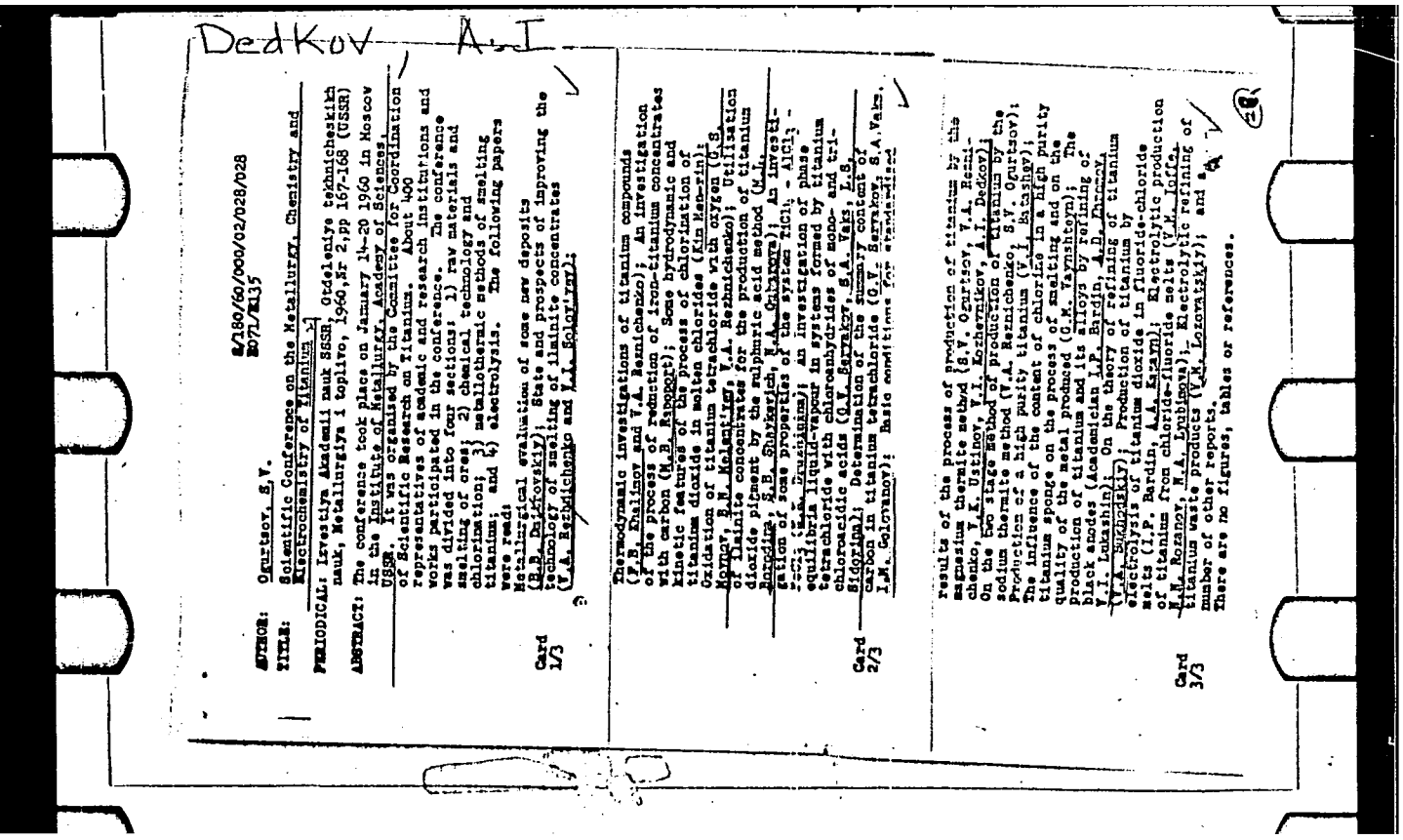
DEDKOV, A.; OSTROVSKIY, V.

Aluminum press molds with a steel linings. Prom.koop. 14 no.9: 16 S '60. (MIRA 13:9)

1. Glavnyy konstruktor Nauchno-issledovatel'skogo tekhnokhimicheskogo instituta (for Dedkov). 2. Nachal'nik mekhanicheskogo tsekha opytnogo zavoda Nauchno-issledovatel'skogo tekhnokhimicheskogo instituta (for Ostrovskiy).
(Plastics--Molding)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7



Dedkov A.I.

S/180/60/000/02/028/028
E071/E135

AUTHOR: Ogurtsov, S.V.

TITLE: Scientific Conference on the Metallurgy, Chemistry and Electrochemistry of Titanium

PERIODICAL: Izvestiya Akademii nauk SSSR. Otdeleniye tekhnicheskikh nauk, Metallurgiya i toplivo, 1960, Nr 2, pp 167-168 (USSR)

ABSTRACT: The conference took place on January 14-20 1960 in Moscow in the Institute of Metallurgy Academy of Sciences, USSR. It was organized by the Comitee for Coordination of Scientific Research on Titanium. About 400 representatives of academic and research institutions and works participated in the conference. The conference was divided into four sections: 1) raw materials and smelting of ores; 2) chemical technology and chlorination; 3) metallothermic methods of smelting titanium; and 4) electrolysis. The following papers were read:

Metallurgical evaluation of some new deposits (I.P. Bardin and V.P. Petrovskiy); State and prospects of improving the technology of smelting of ilmenite concentrates (V.A. Kozhevnikov and L.A. Kolotyrkin);

Card 1/3

Thermodynamic investigations of titanium compounds (F.P. Shalimov and V.A. Kamichenko); An investigation of the process of reduction of iron-titanium concentrates with carbon (M.B. Rapoport); Some hydrodynamic and kinetic features of the process of chlorination of titanium dioxide in molten chlorides (Kin Men-yin); Oxidation of titanium tetrachloride with oxygen (U.S. Kotov, B.N. Kolbanev, V.A. Kozhevnikov); Utilization of titanic concentrates for the production of titanium dioxide pigment by the sulphuric acid method (M.M. Senyavin, S.B. Sharkovich, L.A. Cukanova); An investigation of some properties of the system $TiCl_4$ - $AlCl_3$ - [illegible] (L.A. Krushinina); An investigation of phase equilibria liquid-vapour in systems formed by titanium tetrachloride with chloroanhydrides of mono- and tri-chloroacidic acids (O.V. Serpek, S.A. Vaks, L.S. Sidorina); Determination of the impurity content of carbon in titanium tetrachloride (O.V. Serpek, S.A. Vaks, I.M. Golovanov); Basic conditions for standardized

Card 2/3

Results of the process of production of titanium by the magnesium thermite method (S.V. Ogurtsov, V.A. Remichenko, V.K. Ustinov, V.I. Kozhevnikov, A.I. Dedkov); On the two stage method of production of titanium by sodium thermite method (V.A. Remichenko, S.V. Ogurtsov); Production of a high purity titanium (V.I. Baishay); The influence of the content of chlorine in a high purity titanium sponge on the process of melting and on the quality of the metal produced (G.M. Taymistorm); The production of titanium and its alloys by refining of black anodes (Academician I.P. Bardin, A.N. Frenay, V.I. Lukashin); On the theory of refining of titanium by electrolysis (V.A. Zakharkin); Production of titanium by electrolysis of titanium dioxide in fluoride-chloride melts (I.P. Bardin, A.A. Kazan); Electrolytic production of titanium from chloride-fluoride melts (V.M. Ioffe, V.M. Rozanov, M.A. Lyublinova); Electrolytic refining of titanium waste products (V.M. Lozovatskiy); and a number of other reports.
There are no figures, tables or references.

Card 3/3

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

DEDKOV, A.I.

S/590/61/000/006/001/034
D245/D302

AUTHORS: Ogurtsov, S.V., Rosnichenko, V.A., Ustinov, V.K., Koshevnikov, V.N., and Dedkov, A.I.

TITLE: Basic conditions for the magnesiothermal process of producing titanium

SOURCE: Akademiya nauk SSSR. Institut metallurgii. Titan i yego splavy. no. 6, 1961. Metallotermiya i elektrokhimiya titana, 3 - 13

TEXT: A series of experiments was carried out in a laboratory reactor to study the distribution of reaction components in the formation and growth of Ti sponge and the factors governing the reaction of $TiCl_4$ with Mg. In all experiments, the following were recorded: Furnace temperature before insertion of retorts, furnace heating rate, Ar temperature and pressure in the retort at the beginning of the process, amount of $MgCl_2$ formed and pressure over the tanks containing $TiCl_4$. The Mg was completely fused prior to the process. An exponential relation was found between the feed

Card 1/2

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

B/[illegible]/61/000/003/031/034
B125/B203

Basic conditions for the ...

rate of $TiCl_4$ and specific pressure. Detailed results are shown in diagrams. The authors conclude that automation of the process can best be effected by optimum programming of $TiCl_4$ feed. There are 4 figures.

Card 2/2

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

S/598/62/000/008/002/009
D217/D307

AUTHOR: Dedkov, A.I.

TITLE: Reduction of titanium tetrachloride by a magnesium condensate at low temperatures (250 - 400°C), in vacuo

SOURCE: Akademiya nauk SSSR. Institut metallurgii. Titan i yego splavy. no. 8. Moscow, 1962. Metallurgiya titana, 160 - 166

TEXT: The rapid reduction of $TiCl_4$ with Mg begins at 750 - 800°C with evolution of heat. In vacuo, however, if Mg ingots are charged into the reactor together with a Mg condensate (not less than 15 % of the weight of the complete charge of Mg), the reduction begins at 200°C. Production of the condensate, the methods of charging it into the reactor, and the construction of apparatus for collecting the chloride condensate after the reaction are described in detail. Since the condensate reacts exothermically and thus forms local reaction

Card 1/2

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centers, the process may be carried out in a refrigerator instead of a furnace. Equipment with a high output yield (1.5 - 2 tons) may be adapted for direct use with the condensate, with no attendant difficulties. The technical and economic aspects improve markedly, whereas the cost of changing over to the new method is insignificant. There are 5 figures.

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

OGURTSOV, S.V.; REZNICHENKO, V.A.; DEDKOV, A.I.

Standardization, intensification, and automatic control of the thermochemical reduction process with magnesium. Titan i ego splavy no.8:145-159 '62. (MIRA 16:1)
(Titanium—Metallurgy) (Automatic control)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

DEDKOV, A.I.

Reduction of titanium tetrachloride by magnesium condensates at low temperatures (250-400°C) in vacuum. Titan i ego splavy no.8:160-166 '62. (MIRA 16:1)
(Titanium--Metallurgy) (Condensers (Vapors and gases))
(Vacuum metallurgy)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

DEDKOV, A. P.

DEDKOV, A. P.: "The origin and development of the relief of the Ulyanov-Volga region". Kazan', 1955. Kazan' Order of Labor Red Banner State U imeni V. I. Ul'yanov-Lenin. (Dissertation for the Degree of Candidate of Geographical Sciences)

SO: Knizhnaya Letopis', No. 40, 1 Oct 55

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

[redacted]

IEDKOV, A.P.

Geomorphological manifestation of tectonic structures in the Ul'yanovsk region of the Volga Valley. Uch.zap.Kaz.un. 116 no.5:209-212 '56. (MLRA 10:4)

1. Kafedra fizicheskoy geografii.
(Ul'yanovsk Province--Geology, Structural)

[redacted]

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

DEDKOV, A.P.; DUGLAV, V.A.

Geomorphology of the southern part of Vyatka Uval. Uch.zap.Kaz. un. 116 no.5:213-217 '56. (MLRA 10:4)

1. Kafedra fizicheskoy geografii.
(Vyatka Uval--Geology, Structural)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

DEDKOV, A.P.; KUZNETSOVA, T.A.

Kindyakova pebbles and some problems of the paleogeography of the Volga Valley protion of Ul'yanovsk. Uch.zap.Kaz.un. 121 no.6:62-90 '61. (MIRA 14:10)
(Ul'yanovsk region--Pebbles) (Paleogeography)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

1. DEDKOV, A.S.

2. USSR (600)

4. Romny District (Sumy Province) - Gypsum

7. Report on the results of the 1944 geological-prospecting activities at the Romny gypsum deposits,(Sumy Province of the U.R.S.R.). Izv.Glav.upr. geol.fon.no.3. 1947

9. Monthly List of Russian Accessions, Library of Congress, March,1953.Unclassified.

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

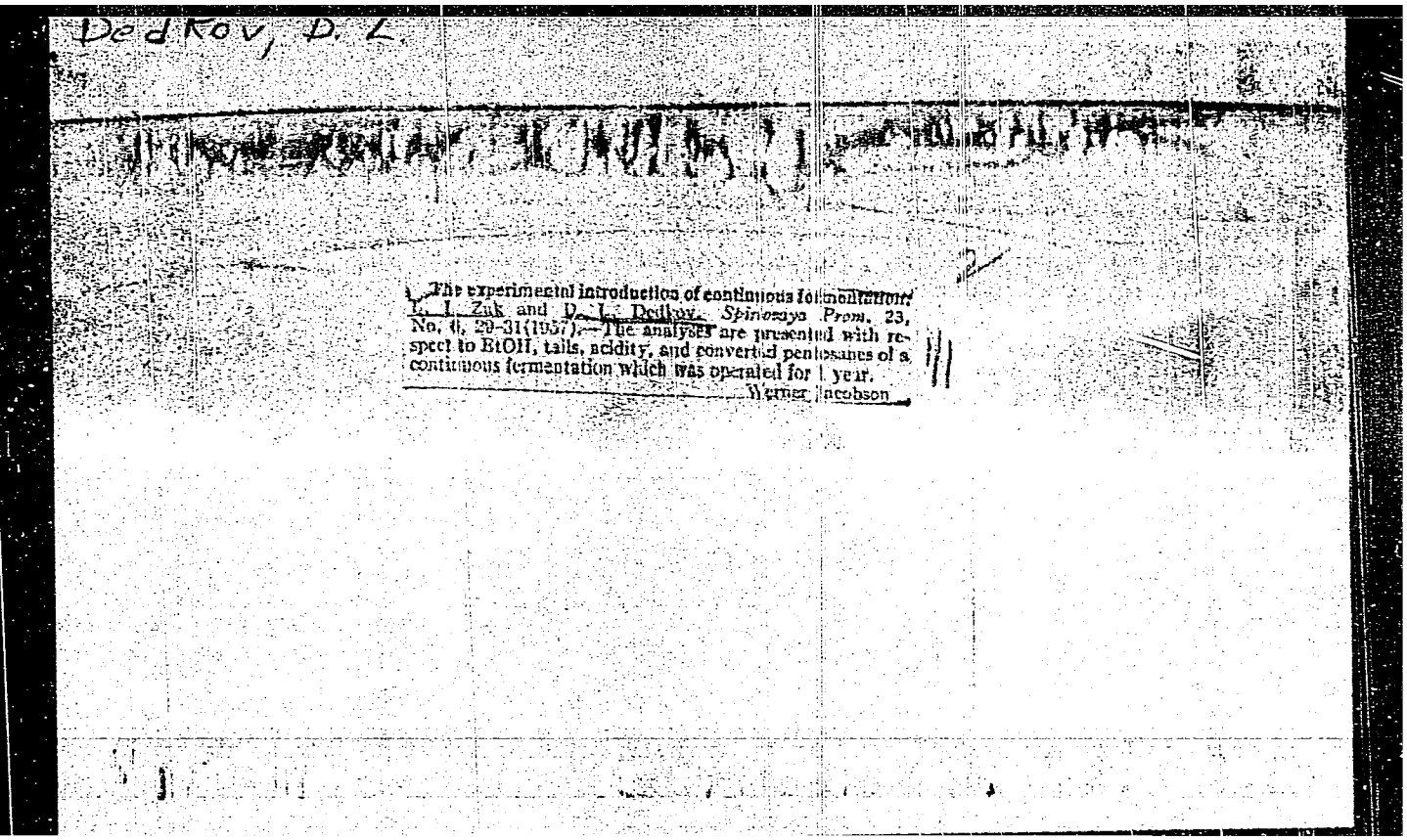
"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

VARESHIN, Alekseĭ Mikhaylovich [deceased]; PONOMAREV, Andrey Sergeyevich; DEDKOV, Boris Petrovich; GOL'DSHTEYN,L.Ye.,red.; PEVZNER,N.I.,red.

[The city of Syzran'; an historical and economic essay] Gorod Syzran'; istoriko-ekonomicheskii ocherk. Kuibyshev, Kuibyshevskoe knizhnoe izd-vo, 1964. 197 p. (MIRA 17:8)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7



Dedkov, D. L.

The experimental introduction of continuous fermentation. V. I. Zuk and D. L. Dedkov. *Spirtovaya Prom.*, 23, No. 4, 29-31(1957).—The analyses are presented with respect to EtOH, tails, acidity, and converted pentosanes of a continuous fermentation which was operated for 1 year.
Werner Jacobson

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

DEDKOV, F., red.; VARENIKOVA, V., tekhn. red.

[Safety regulation in the gas supply system of populated places and in the use of gas by industrial, communal, and domestic consumers] Pravila bezopasnosti v gazovom khoziaistve naselennykh punktov i pri ispol'zovanii gaza promyshlennymi, kommunal'nymi i bytovymi potrebiteliami; pravila obiazatel'ny dlia vsekh ministerstv, vedomstv i organizatsii. Minsk, Gosizdat BSSR, 1962. 206 p. (MIRA 16:7)

1. White Russia. Komitet po nadzoru za bezopasnym vedeniyem rabot v promyshlennosti i gornomu nadzoru.
(Gas distribution--Safety measures)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

DEDKOV, F.; SHEKHTMAN, B., starshiy ekonomist

Spend economically. Fin.SSSR 20 no.8:59-61 Ag '59.
(MIRA 12:11)

1. Zamestitel' nachal'nika Upravleniya finansirovaniya promyshlennosti Ministerstva finansov BSSR (for Dedkov).
(White Russia--Housing--Finance)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

DEDKOV, F.S., red.; GES', N.D., red.; BELEN'KAYA, I.Ye., tekhred.

[Rules for the installation and operational safety of water-heating boilers and water preheaters (boilers) for heating water to temperatures not exceeding 115°C and steam boilers with a pressure not in excess of 0.7 at.] Pravila ustroistva i bezopasnosti ekspluatatsii vodogreinykh kotlov i vodopodogrevatelei (boilerov) dlia nagrevaniia vody do temperatury ne vyshe 115°C i parovykh kotlov s davleniem ne vyshe 0,7 ati. Minsk, Izd-vo Belgosuniv.im.V.I.Lenina, 1960. 91 p.
(MIRA 14:3)

1. White Russia. Komitet po nadzoru za bezopasnym vedeniyem rabot v promyshlennosti i gornomu nadzoru.
(Boilers) (Water heaters)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

ACC NR: AT7002152 (N) SOURCE CODE: UR/0000/66/000/000/0007/0019

AUTHOR: Dedusenko, Yu. M.; Dedkov, G. V.

ORG: Kharkov Affiliate of the Institute of Mechanics AN UkrSSR (Khar'kovskiy filial in-ta mekhaniki AN UkrSSR)

TITLE: Determination of the optimum cyclic and condensation parameters for gas turbine installations

SOURCE: AN UkrSSR. Termodinamika teplovykh dvigateley (Thermodynamics of heat engines). Kiev, Izd-vo Naukova dumka, 1966, 7-19

TOPIC TAGS: gas turbine, vapor condensation, turbine compressor, thermodynamic cycle, thermodynamic efficiency

ABSTRACT: The authors consider the use of high-power gas turbine installations as basic engines and propose a method for optimizing the following parameters with respect to maximum efficiency: the degree of expansion and compression in the turbine and compressor groups, the parameters of the working process in the compressors and conditions favoring minimum surface area for all condensers. It is assumed that the gas turbine installation is the single-shaft type with any number of combustion chambers and intermediate condensers, and that the following parameters are known: the initial temperatures of the working fluid before the turbines and of the air before the compressors, the efficiency of the turbines and compressors and the rate of water

Card 1/2

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ACC NR: AT7002152

flow to all condensers. The hydraulic resistance of the gas and air channels is taken into consideration as well as the differences in thermal capacities and rates of flow in the various sections. The loss factors χ_c and χ_t for the compressor and turbine groups respectively are found and the condenser characteristics are then determined with respect to a given χ_t by varying χ_c. When the optimum degrees of compression and expansion with respect to maximum efficiency have been found, the parameters which determine the compression process may be calculated. These data are then used for selecting optimum heat exchanger parameters. The proposed method is applicable to various types of condenser surfaces with certain changes in some of the equations. Orig. art. has: 3 figures, 47 formulas.

SUB CODE: 13, 20/ SUBM DATE: 05Mar65/ ORIG REF: 005

Card 2/2

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

DEDKOV, I. P.

Dissertation: "Total Gastrectomy in Connection with Cancer." Cand Med Sc , Kiev Order of Labor Red Banner Medical Inst imeni Academician A. A. Bogomolets, 6 Apr 54. (Pravda Ukrainy, Kiev, 24 Apr 54)

SO: SUM 243, 19 Oct 1954

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

DEDKOV, I.P. (Kiyev, ul. Klinicheskaya, d.4)

Bilateral lung resection in bronchiectasis. Nov.khir.arkh. no.1:24-30 Ja-F '59. (MIRA 12:6)

1. Kafedra torakal'noy khirurgii (zav. - prof. N.N.Amosov) Kiyevskogo instituta usovershenstvovaniya vrachey.
(LUNGS--SURGERY) (BRONCHI--DILATATION)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

AMOSOV, N.M.; DEDKOV, I.P.

Bilateral pulmonary resections [with summary in English]. Khirurgiia 35 no.1:19-24 Ja '59. (MIRA 12:2)

1. Iz Ukrainskogo instituta tuberkuleza (dir. A.S. Mamolat).
(PNEUMONECTOMY, in var. dis.
tuberc., bilateral (Rus))

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

DEDKOV, I.P., dotsent

Indications and contraindications for simultaneous bilateral partial resections in tuberculosis. Probl.tub. 37 no.4:37-43 '59. (MIRA 12:10)

1. Iz kliniki torakal'noy khirurgii (zav. - prof.N.M.Amosov) Ukrainskogo nauchno-issledovatel'skogo instituta tuberkuleza (dir. - dotsent A.S.Mamolat).

(PNEUMONECTOMY
simultaneous bilateral partial resection in tuberc., indic. & contraindic. (Rus))

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

DEDKOV, I.P. (Kiyev, Spusk Stepana Razina, d.7); MALOVICHKO, A.Ya.; CHERENKOVA, N.D.

Anesthesia and safety measures in one-stage bilateral pulmonectomy. Nov. khir. arkh. no.2:75-81 Mr-Ap '60. (MIRA 14:11)

1. Kafedra torakal'noy khirurgii (zav. - prof. N.M.Amosov) Kiyevskogo instituta usovershenstvovaniya vrachey.
(LUNGS--SURGERY)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

DEDKOV, I. P. Doc Med Sci -- "Bilateral resection of the lungs." Kiev, 1961 (Kiev Order of Labor Red Banner Med Inst im Academician A. A. Bogomolets). (KL, 4-61, 206)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

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L 27263-66 EWP(k)/EWT(d)/EWT(m)/EWP(h)/T/EWP(l)/EWP(v)/EWP(t) JD/HM

ACC NR: AP6009524 SOURCE CODE: UR/0413/66/000/005/0048/0048

AUTHORS: Kiselev, S. N.; Dedkov, L. K.; Schetchikov, B. A.; Pichugin, V. S.; Prosvirin, A. P.; Gamatudinov, B. I. 33 B

ORG: none

TITLE: Automatic welder. Class 21, No. 179402 18

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 5, 1966, 48

TOPIC TAGS: welder, butt welding, seam welding 14

ABSTRACT: This Author Certificate presents an automatic welder, using a nonmelting electrode in a protective atmosphere for ring and seam pipe welding. The welder includes an inlet port, ring-shaped rotator, welding head, system of roller supports, mechanisms for moving and correcting the welding head, electrode wire supplies, programmed current switching, and remote control equipment. To permit welding of variable diameter pipe and welding of flanges and rings, the rotator is equipped with a mechanism for displacement in the vertical plane, allowing a rotator body angle of 0--105° with respect to the horizontal. The centering mechanism consists of a fixture which is equipped with grips and shimming rings and a conical screw-driven compensator (see Fig. 1). A second feature has two perpendicular worms as

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L 27263-66

ACC NR: AP6009524

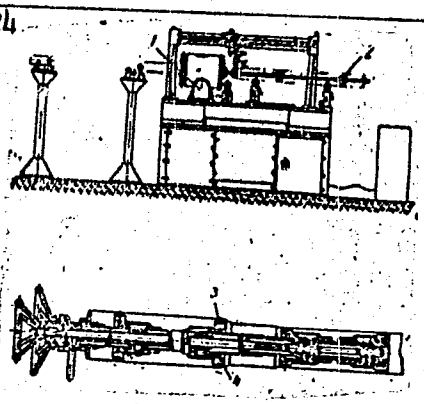

Fig. 1. 1 - vertical displacement mechanism; 2 - centering mechanism; 3 - ring; 4 - conical compensators.

the rotator moving mechanism. Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 22Jun64/

Card 2/2

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

ACC NR: AP7005198 SOURCE CODE: UR/0125/67/000/001/0051/0052

AUTHOR: Kurkumeli, A.A. (Moscow); Ishchenko, Yu.S. (Moscow); Dedkov, L.K. (Moscow); Rybkin, V.P. (Moscow)

ORG: none

TITLE: S-7B automatic welder

SOURCE: Avtomaticheskaya svarka, no. 1, 1967, 51-52

TOPIC TAGS: tube welding, arc welding, TIG welding, butt welding, welder, automatic welding/S-7B welder

ABSTRACT:

The S-7B automatic welder for TIG welding tubes 8—26 mm in diameter with a wall thickness of 0.5—2.0 mm without filler wire has been built. The welder is 215 mm high and 110 mm long, the welding head weighs 2 kg, and the radius of the rotating parts is 40 mm. The small size and weight make it possible to use the welder in restricted locations without supports for the tubes being joined. The welder has an attachment for programmed control of the welding speed from 10 to 40 m/hr, or of the welding current up to 100 amp. The joints are assembled by means of a centrator, without tacking, and are welded without filler wire and without leveling the tube end faces. Orig. art. has: 3 figures and 1 table. [MS]

SUB CODE: 13/ SUBM DATE: 30May66/ ATD PRESS: 5115

Card 1/1 UDC: 621.791.8.03

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

DEDKOV, P.

Conveyor with a fan for cooling and loading grain in storage rooms. Muk.-elev. prom. 29 no.4:29 Ap '63. (MIRA 16:7)

1. Zamestitel' direktora po kachestvu Surazhskogo khlebopriyemnogo punkta.

(No subject headings)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

DEDKOV, P.

We use a transporter for pea cleaning. Muk.-elev. prom. 30 no.3:30 Mr '64. (MIRA 17:4)

1. Zamestitel' direktora Surazhskogo khlebopriyemnogo punkta.

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

DEDKOV, P.S.

Construction of the working end of a boring-machine spindle. Stan.i instr. 24 no.10:30-31 O '53. (MLRA 6:11)

(Drilling and boring machinery)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

DEDKOV, P.S.

USSR/ Miscellaneous

Card 1/1 : Pub. 103 - 13/29

Authors : Dedkov, P. S.

Title : Attachment for utilization of reverse motion of a transverse planing machine

Periodical : Stan. i instr. 9, 29-30, Sep 1954

Abstract : A special attachment, which makes possible the utilization of the reverse motion of a transverse planing machine, is briefly described. The attachment was tested on a machine with a slide bar stroke of 500 mm and the results are given. Drawings; illustration.

Institution : ...

Submitted : ...

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

DEDKOV, P.S.

Device for machining large-size work pieces. Stan.i instr. 27 no.10:36 O '56. (MLRA 9:12)
(Lathes--Attachments)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

ZAYDEL', L.; YERSHOV, B.A., assistent; DEDKOV, S., starshiy inzh.; BOGDANOV, (g.Krasnoyarsk); MAKKOVEYEV (g.Krasnoyarsk); PUZANOV (g.Krasnoyarsk); MATORIN, I.; PROKOPOV, I.T. (g.Vinnitsa)

Continuing the discussion on centralized preparation of technical specifications. Mashinostroitel' no.8:38-39 Ag '62. (MIRA 15:8)

1. Nachal'nik otdela modernizatsii Kuybyshevskogo instituta NIPTIMASh (for Zaydel'). 2. Severozapadnyy zaochnyy politekhnicheskiy institut (for Yershov). 3. Upravleniya glavnogo mekhanika i energetika Vserossiyskogo soveta narodnogo khozyaystva (for Dedkov). 4. Nachal'nik konstruktorskogo byuro otdela glavnogo mekhanika zavoda "Gomsel'mash" (for Matorin).

(Machinery--Specifications)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

SHTEYNSHLEYGER, V.B.; DEDKOV, S.V.

Masers. Radiotekhnika 19 no.11:5-18 N '64.
(MIRA 18:2)

1. Deystvitel'nyye chleny Nauchno-tekhnicheskogo obshchestva radiotekhniki i electrosvyazi A.S. Popova.

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

DEDKOV, S.V.

Average capacitance of the p-n junction in a parametric amplifier with sinusoidal pumping current. Radiotekh. i elektron. 9 no.6:1090-1092 Je '64. (MIRA 17:7)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

DEDKOV, Ye.; YAKIMOV, V.; MAZURKEVICH, M., red.

[Accounting in public institutions; collection of standard documents] Bukhgalterskii uchet v biudzhetnykh uchrezhdeniiakh; sbornik normativnykh dokumentov. Moskva, Finansy, 1965. 470 p. (MIRA 18:2)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

DEDKOV, V.F.

Using wire welding in radio equipment and thermocouples in pyrometry. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch.i tekh.inform. 18 no.9:16-17 S '65. (MIRA 18:10)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

GOROVAYA, R.A.; DEDOV, V.F.; DOLGOV, A.N.; LEVINA, M.V.; SLUCHEVSKIY, F.I.

Clinical statistical analysis of patients registered in a district neuropsychiatric dispensary with the diagnosis of organic brain lesions. Vop. psikh. nevr. no.10:410-418 '64. (MIRA 18:12)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

L 05107-67 EWT(d)/FSS-2/EWT(1)

ACC NR: AP6013247 SOURCE CODE: UR/0413/66/000/008/0036/0036

AUTHORS: Rodin, N. S.; Fragin, I. Ya.; Reyfe, Ye. D.; Dedkov, V. I. 37 B

ORG: none

TITLE: A device for the mechanical retuning of superhigh frequency instruments. Class 21, No. 180651

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 8, 1966, 36

TOPIC TAGS: superhigh frequency, receiver tuning

ABSTRACT: This Author Certificate presents a device for the mechanical retuning of superhigh frequency (SHF) instruments. The device includes a cam connected with the drive motor, and a spring-loaded rod which bears on the cam and is connected with the tuning unit of the SHF instrument. The design increases the retuning precision when the tuning system is combined with the fine tuning system of the SHF instrument. A lever is fastened to the cam (see Fig. 1). Plates are fitted on the ends of this lever. Opposite to these plates a limiter of the lever rotation angle is mounted, connected by two springs with a second lever fastened to a shaft. This second lever is connected with the drive motor of the

Card 1/2 UDC: 621.396.662

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L 05107-67

ACC NR: AP6013247

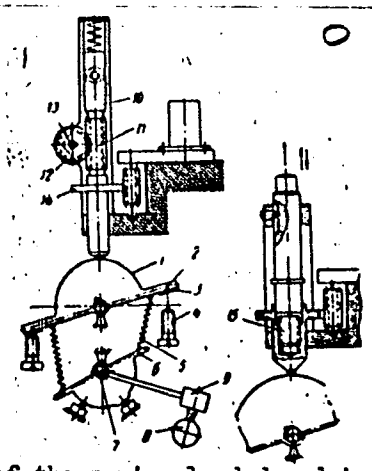

Fig. 1. 1 - cam; 2 - lever; 3 - plate; 4 - limiter; 5 - spring; 6 - lever; 7 - shaft; 8 - motor; 9 - self-breaking transmission; 10 - rod; 11 - worm gear; 12 - worm gear wheel; 13 - axis; 14 - pinion gear of reduction train; 15 - screw couple

tuning system by a self-breaking transmission. Part of the spring-loaded rod is made in the form of a worm gear engaged with the worm gear wheel fastened to the axis of the retuning unit. The pinion gear of the drive motor reduction train of the SHF instrument's fine tuning system is fastened to the lower part of the rod. To provide the translational motion of SHF instrument's tuning unit, the spring-loaded rod is made of two parts interconnected by a screw couple. Orig. art. has: 1 figure.

Card 2/2 SUB CODE: 09, 17/ SUBM DATE: 17Dec64

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

SAVVIN, S.B.; DEDKOV, Yu.M.; MAKAROVA, V.P.

New metal indicators for barium ions. Determination of sulfates. Zhur.anal.khim. 17 no.1:43-47 Ja-F '62. (MIRA 15:2)

1. V.I.Vernadsky Institute of Geochemistry and Analytical Chemistry, Academy of Sciences, U.S.S.R., Moscow.
(Indicators and test papers) (Barium sulfate)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

DEDKOV, Yu.M.

Conference on the methods of concentrating elements in analytical chemistry. Zhur. anal. khim. 18 no.9:1138-1140 S '63. (MIRA 16:11)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

DEDKOV, Yu.M.

Moscow seminar on analytical chemistry. Zhur.anal.khim. 18 no.10: 1280 O '63. (MIRA 16:12)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

DEDKOV, Yu.M.

Moscow Seminar on Analytical Chemistry. Zhur. anal. khim. 18 no.11:1407 N '63. (MIRA 17:1)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

DEDKOV, Yu.M.

Moscow seminar on analytical chemistry. Zhur. anal.khim. 18 no.12:1512 D '63. (MIRA 17:4)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

ACCESSION NR: AP4019508 S/0075/64/019/003/0328/0336

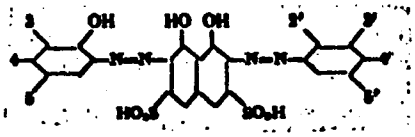
AUTHOR: Alimarin, I. P.; Savvin, S. B.; Dedkov, Yu. M.

TITLE: Color reactions of niobium ions with certain reagents containing o,o'-dihydroxyazo group

SOURCE: Zhurnal analiticheskoy khimii, v. 19, no. 3, 1964, 328-336

TOPIC TAGS: niobium determination, color reagent, color reaction, chromotropic acid, R salt, dihydroxyazo group, chlorosulfophenol S, picramine R, complex, selectivity, extraction photometric analysis, complexing anion

ABSTRACT: The following types of compounds containing the o,o'-dihydroxyazo group were investigated as reagents for niobium: bisazo compounds based on chromotropic acid (I):



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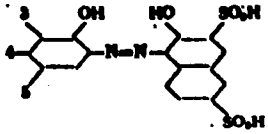
and monoazo compounds based on R salt (II):



The OH, Cl, SO_3H, NO_2, OCH_3, $SO_2N(CH_3)_2$ derivatives of these acids were examined. Typical spectra are given where chlorosulfophenol S is the 2'-hydroxy-3, 3'disulfo-5,5'-dichloro- derivative of I, and picramine R is the 3,5-dinitro derivative of II. The reagents containing NO_2, Cl, SO_3H and other negative groups in the postions meta to the azo group form the most stable complexes of niobium and give the most contrasting reactions. The interaction goes on in strongly acid media, 1-6N HCl in the presence of tartaric acid and other complexing anions, except for fluorides and oxalates, which interfere. The reproducibility, reliability and selectivity of niobium determination is good. The niobium-reagent complexes are readily extracted with higher alcohols. An extraction-photometric method was developed based on the extraction of a diphenylguanidinium salt of the corresponding niobium complex and measuring the optical density of the extract. Sulfates, phosphates, chlorides,

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ACCESSION NR: AP4019508

tartrates, citrates and other anions in amounts up to 10-100 mg. in 25 ml, Zr (0.2-2 mg in the presence of complexone III), Ti (2-10 mg), Ta (0.1-0.5 mg), Ca, Al (5-25 mg) do not interfere with the determination. The determinable minimum is 1-2 micrograms of Nb in 25 ml. when bisazo derivatives of chromotropic acid are used, and 5-10 microgram of Nb in 25 ml. with R salt derivatives. Orig. art. has: 7 figures, 2 tables and 10 formulae.

ASSOCIATION: Institut geokhimii i analiticheskoy khimii im. V. I. Vernadskogo, AN SSSR (Institute of geo- and analytical chemistry, AN SSSR)

SUBMITTED: 19Oct63 DATE ACQ: 31Mar64 ENCL: 00

SUB CODE: CH NO REF SOV: 028 OTHER: 002

Card 3/3

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

PALEY, P.N.; RYABCHIKOV, D.I.; DEDKOV, Yu.M.; ZOLOTOV, Yu.A.

Methods of concentration in analytical chemistry. Zav.lab. 29 no.11:1279-1280 '63. (MIRA 16:12)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

DEDKOV, Yu.M.

Conference on the methods for concentrating elements in analytical chemistry. Zav.lab. 29 no.11:1399-1400 '63. (MIRA 16:12)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

ACCESSION NR: AP4009720 S/0075/64/019/001/0021/0027

AUTHOR: Savvin, S. B.; Dedkov, Yu. M.

TITLE: Analytical applications of bisazo-derivatives of chromotropic acid

SOURCE: Zhurnal analiticheskoy khimii, v. 19, no. 1, 1964, 21-27

TOPIC TAGS: chromotropic acid, bisazo derivative, chromotropic acid bisazo derivative, reagent, sensitive reagent

ABSTRACT: The reactions of bisazo-derivatives of chromotropic acid with a number of elements were studied. The advantages of these reagents are: formation of stable complexes with elements, the possibility of working in strongly acidic solution, reproducible and reliable results, their importance for elements forming multiply charged cations, high sensitivity (0.1-0.01 micro gram/ml element), and sharply contrasting reactions. The study includes 40 derivatives containing groups capable of selective reaction. The general formula of these reagents based on Arsenazo III is

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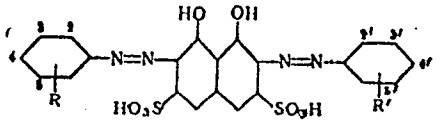

wherein R and R' are selected from the groups -H, -OH, $-SO_3H$, -COOH, -AsO H., $-PO_3H_2$, $-NO_2$, Cl, CH_3. The selectivity of the reagents, as well as the contrast of reactions and stability of the complexes formed, were mainly determined by the nature of the acid radical at the o-position to the azo-group and that of the substituent at the m-position to this group. The most interesting reactions appeared with reagents containing substituents with strongly electronegative activity and the following groups with analytical function: o-arsono-o'-hydroxyazo-(Th, U, TR, Pa, Zr), o-sulfo-o'hydroxyazo-(Ba, Sr, Me [I]), o, o'-dihydroxyazo-(Nb, Zr, Sc, Te), o-phosphono-o'-hydroxyazo-(U, Sc). Other such reagents are recommended for various elements. The synthesis of the reagents is described. Orig. art. has: 8 formulas.

ASSOCIATION: Institut geokhimii i analiticheskoy khimii im. V. I. Vernadskogo AN SSSR, Moscow (Institute of Geochemistry and Analytical Chemistry of the AN SSSR)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

DEDKOV, Yu.M.

Moscow Seminar on Analytical Chemistry. Zhur. anal. khim. 19 no. 1:142 '64. (MIRA 17:5)

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DEDKOV, Yu.M.

Moscow seminar on analytical chemistry. Zhur. anal. khim. 19 no.2:269 '64. (MIRA 17:9)

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ALIMARIN, I.P.; SAVVIN, S.B.; DEDKOV, Yu.M.

Color reactions of niobium ions with certain reagents containing an o,o'-dihydroxyazo group. Zhur. anal. khim. 19 no.3:328-336 '64. (MIRA 17:9)

1. Institut geokhimii i analiticheskoy khimii imeni Vernadskogo AN SSSR, Moskva.

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DEDKOV, Yu.M.

Moscow seminar on analytical chemistry. Zhur. anal. khim. 19 no.5:653 '64. (MIRA 17:8)

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DEDKOV, Yu.M.

Moscow Seminar on Analytical Chemistry. Zhur. anal. khim. 19 no.8: 1044-1045 '64. (MIRA 17:11)

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L 17530-65 EWT(m)/EWP(t)/EWP(b) IJP(c)/AFWL/SSD JD/JG
ACCESSION NR: AP4047498 S/0075/64/019/010/1210/1218

AUTHOR: Ryabchikov, D. I.; Savvin, S. B.; Dedkov, Yu. M.

TITLE: A comparative study of certain reagents for scandium

SOURCE: Zhurnal analiticheskoy khimii, v. 19, no. 10, 1964, 1210-1218

TOPIC TAGS: scandium, color reagent, colorimetric analysis, photometric determination, complexonometric determination

ABSTRACT: The color reactions of scandium with the following organic reagents were compared: 2,4-sulfochlorophenolanthranil; stilbazo; sulfonazo; xylenol orange; chromazurol S; 3-nitrophenol R; pyrocatechol violet; arsenazo I, II, III, AYe, ASh, T, and M; 2,4-sulfochlorophenol AYe, S, T and R. According to their sensitivity, selectivity and maximum admissible acidity, arsenazo III, 2,4-sulfochlorophenol S and 2,4-sulfochlorophenol R were found to be the most suitable for the photometric determination of scandium and xylenol orange, arsenazo III and 2,4-sulfochlorophenol were most suitable for the complexonometric determ-

Card 1/2

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ACCESSION NR: AP4047498

ination. An extraction-photometric method was suggested for increasing the selectivity of the scandium determination in the presence of rare earths. Diphenylguanidinium salts of Sc-2,4-sulfochlorophenol S or Sc-2,4-sulfochlorophenol R were extracted with butanol and the optical density of the extract was measured. 0.01% of scandium can thus be determined in rare earth compounds. Orig. art. has: 4 figures and 20 formulae.

ASSOCIATION: Institut geokhimii i analiticheskoy khimii im. V. I. Vernadskogo AN SSSR, Moskva (Institute of Geochemistry and Analytical Chemistry Academy of Sciences SSSR)

SUBMITTED: 21Jan64 ENCL: 00

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L 24192-65 EWT(m)/EWP(b) JD/JG

ACCESSION NR: AP4047501 S/0075/64/019/010/1283/1284

AUTHOR: Dedkov, Yu. M.

TITLE: Moscow Seminar in Analytical Chemistry

SOURCE: Zhurnal analiticheskoy khimii, v. 19, no. 10, 1964, 1283-1284

TOPIC TAGS: analytical chemistry, seminar, rare earth elements, ion exchange water demineralization, rare earth separation, chromatographic separation

ABSTRACT: The Moscow Seminar in analytical chemistry met on May 23, June 12 and 26, 1964 at the Institute of Geochemistry and Analytical Chemistry (Institute geokhimii i analiticheskoy khimii im. V. I. Vernadskogo AN SSSR). The report on ion exchange demineralization of water for analytical purposes by M. M. Senyavin, N. K. Galkin and V. V. Gaydady*mov covered the cationites and anionites used, their preparation and regeneration, and the equipment at the GEOKhI AN SSSR. The June 12 symposium on rare earth elements was chaired by AN SSSR Associate D. I. Ryabchikov. A. M. Sorochan and M. M. Senyavin reported on optimum conditions for chromatographically separating rare earth

Card 1/3

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element mixtures and proposed a method for determining the optimum pH at which the partition coefficient is maximum. P. G. Kuznetsov and Yu. I. Stakheyev of the Moscow Pedagogical Institute (Moskovskiy pedagogicheskiy institut im. V. I. Lenina) reported a method for automatically controlling the process of rare earth separation by u. v. absorption. E. Kherrman and V. A. Khalkin of the Joint Institute of Nuclear Investigations (Dubna, Ob"yedinenny*y institut yaderny*-kh issledovaniy) used silica gel treated with dibutylphosphate for separating milligram amounts of the rare earth elements. In the report by G. M. Varshal (IGEM AN SSSR) the process of partition chromatography was discussed from the structural salting out theory viewpoint. Yu. S. Sklyarenko and N. S. Stroganova (GEOKhI AN SSSR) reported on studies of Eu^{2+} sulfate properties. N. S. Vagina (GEOKhI AN SSSR) reported the formation of Y and Er phosphate salts and their solubilities. Ye. S. Makarov and V. I. Ivanov (GEOKhI AN SSSR) reported on the ionic radii of the rare earth elements determined by crystallographic studies. N. N. Dogadkin, Yu. V. Yakovlev and A. A. Miklishanskiy (GEOKhI AN SSSR) determined 1×10^{-6}% Dy in pure Y_2O_3. At the June 26 meeting, A. K. Lavrykhina presiding, the review article "Determining traces of elements

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by the substoichiometric method" by I. Stary*, Ya. Ruzhichi and A. Zemana (Czechosolovakia) was presented. Yu. V. Yakovlev and N. N. Dogadkin critically reviewed various methods of determining impurities in pure materials, indicating 1×10^{-5} to 1×10^{-9} % impurities could be determined by the radioactive method using chromatographic separation."

ASSOCIATION: None

SUBMITTED: 00 ENCL: 00 SUB CODE: GC, IC

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Card 3/3

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

ACCESSION NR: AP4039247 S/0032/64/030/006/0645/0647

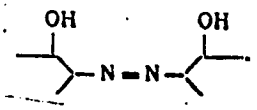
AUTHORS: Savvin, S. B.; Dedkov, Yu. M.

TITLE: Comparative study of certain color reactions of zirconium

SOURCE: Zavodskaya laboratoriya, v. 30, no. 6, 1964, 645-647

TOPIC TAGS: zirconium color reaction, zirconium photometric analysis, nitrosulfophenol zirconium complex, picramine zirconium complex, metallic complex interference

ABSTRACT: After testing over 20 reagents for the photometric determination of zirconium, the authors selected nitrosulfophenol C and picramine P as the most effective. Both reagents contain the functional 0,0'-dioxyazo- group



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ACCESSION NR: AP4039247

which reacts not only with zirconium compounds, but also with ions of rare-earth metals, Al, Ca, Th, U, etc. However, the latter are hydrolyzed at a pH corresponding to that of 0.9-1.2 normal HCl, while the zirconium compounds are more stable. The analytical procedure included reduction of the iron with ascorbic acid, acidification with HCl, the addition of the reagent, and photometric determination at 620 millimicrons for the nitrosulfophenol C zirconium complex, and at 565 millimicrons for the picramine P complex. In view of the solubility of the complexes in butanol without change of color, the authors used this material for a more selective analytical technique, which is described in detail. Orig. art. has: 1 table, 1 chart, and 1 formula.

ASSOCIATION: Institut geokhimii i analiticheskoy khimii im. V. I. Vernadskogo Akademii nauk SSSR (Institute of Geochemistry and Analytical Chemistry, Academy of Sciences SSSR)

SUBMITTED: 00 DATE ACQ: 18Jun64 ENCL: 00

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910020-7

DEDKOV, Yu.M.; KADANER, D.S.; PISARENKO, N.D.; RYABOVA, A.S.; SAVVIN, S.B.

Determination of zirconnium in cast iron with chlorosulfophenol C as reagent. Zav. lab. 30 no.6:654-655 '64 (MIRA 17:8)

1. Nauchno-issledovatel'skiy i proyektno-tekhnologicheskiy institut mashinostroyeniya.

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DEDKOV, Yu.M.

Seminars on the use of mathematical methods in analytical chemistry. Zav. lab. 30 no.9:1165 '64. (MIRA 18:3)

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L 3[illegible]-65 EWT(m)/EWP(t)/EWT(b) IJP(c) JD/JG

ACCESSION NR: AP5004433 S/0075/65/020/001/0128/0130

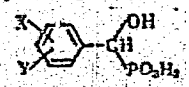
AUTHORS: Ryabchikov, D. I.; Dedkov, Yu. M.

TITLE: Application of aromatic phosphonic acids to the determination of rare elements

SOURCE: Zhurnal analiticheskoy khimii, v. 20, no. 1, 1965, 128-130

TOPIC TAGS: mandelic acid, methanol, zirconium, hafnium, thorium, scandium, ytterbium, uranium, phosphonic acid, rare earth elements

ABSTRACT: The possibility of precipitating rare elements by derivatives of mandelic acid substituted at the carboxylic group by phosphoric acid was investigated:



A list of the characteristics of synthesized compounds is to be given later. This paper presents analytical features of methanol phosphol acid hexarene (methaphosphol). The nomenclature follows the system suggested by A. P. Terent'yev, A. N. Kost, A. M. Tsukerman, and V. M. Potapov (Nomenklatura organicheskikh soyedineniy, Izd-vo AN SSSR, M., 1955). Test tube precipitations occurred on mixing

Card 1/2

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ACCESSION NR: AP5004433

4.5 ml of hydrochloric acid of required concentration, 0.5 ml of 10% reagent in hydrochloric acid of same concentration, and 0.1-0.2 ml of solution of the investigated element, after heating for 10 minutes on a boiling water bath and then cooling. Zirconium, hafnium, thorium, scandium, niobium, and lanthanum precipitates at acidites from 12 N to 0.1 N and the sensibilities ranging from 2 to 50 micrograms/ml were obtained. The reaction is particularly interesting for zirconium, as shown by its precipitation with methaphosphol and phenylarsonic acid in the presence of disturbing ytterbium, thorium, uranium (VI), and iron (III). Orig. art. has: 2 tables and 2 formulas.

ASSOCIATION: Institut geokhimii i analititicheskoy khimii im. V. I. Vernadskogo, Moscow (Institute of Geochemistry and Analytical Chemistry)

SUBMITTED: 30Jan64 ENCL: 00 SUB CODE: GC

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L 31333-65 EWT(m)/EPF(n)-2/EPR/EMP(j)/T/EMP(t)/EMP(b) Pc-4/Pa-4/Pu-4 IJP(c)
JD/JW/JG/RM
ACCESSION NR: AP5005846 S/0075/65/020/002/0283/0284

AUTHOR: Dedkov, Yu. M.

TITLE: Moscow seminar on analytical chemistry

SOURCE: Zhurnal analiticheskoy khimii, v. 20, no. 2, 283-284

TOPIC TAGS: chemical conference, analytic chemistry, color, extracting agent, chelate, scandium, zirconium, hafnium

ABSTRACT: Regular sessions of the Moscow Seminar on Analytical Chemistry were held on 29 September, 15 October, and 27 October 1964 at the Vernadskiy Institute of Geochemistry and Analytical Chemistry of the Academy of Sciences SSSR.

The first session was devoted to photocolorimetric and complexometric reagents, the second session, to new extracting agents, and the third, to analytical chemistry of zirconium.

Card 1/5

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ACCESSION NR: AP5005846

Two papers were presented at the first session, one by A. I. Cherkesov (Saratov Pedagogical Institute) on the theory and analytical application of color reactions with organic reagents, and one by Ye. N. Kruchkova and I. S. Mustafin (Bashkir State University) on 0,0'-dihydroxyazo compounds as complexometric indicators for simultaneous or separate determination of calcium and magnesium.

At the second session, V. M. Dziomko (IREA) discussed extracting agents with polydentate ligands. The author reviewed the nomenclature of the chemistry of chelate compounds and their applications as extracting agents, pointing out the advantage offered by the possibility of selective coordination and a completely coordinated central ion. V. M. Ostrovskaya and V. M. Dziomko presented a paper on formazans with quadridentate ligands as extracting agents. The authors studied the formazans of the general formula

$$Ar—N=N—C(R)=N—NH—Ar',$$

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where Ar and Ar' are derivatives of 2-hydroxybenzene and R is H, CH_3, $COCH_3$, or C_6H_5. The most interesting application seems to be scandium determination with N, N'-bis(2-hydroxy-3, 5, 6-trichlorophenyl)-C-acetylformazan. The sensitivity of Sc determination was 0.02 μ/ml.

The papers presented at the third session were as follows:

A. N. Yermakov, I. N. Marov, and L. P. Kazanskiy (Institute of Geochemistry and Analytical Chemistry, Academy of Sciences SSSR). The state of zirconium and hafnium ions in solution. A short review of data from the literature was given, and the data were then compared with potentiometric, cryoscopic, and electric conductivity measurements.

D. I. Ryabchikov, Yu. M. Dedkov, and S. B. Sarvin (Institute of Geochemistry and Analytical Chemistry, Academy of Sciences SSSR). Organic

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ACCESSION NR: AP5005846

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reagents in analytical chemistry of zirconium. The authors proposed a selection of reagents which are complementary in respect to selectivity of the color reaction. Arsenazo III reagents and new reagents such as picramine P and 2,4-nitrosulfophenol C may provide the basis for such a selection.

S. S. Korovin, Ye. N. Lebedeva, and A. M. Rozen (Moscow Institute of Fine Chemical Technology im. M. V. Lomonosov). Zirconium and hafnium extraction with tributylphosphate from nitric and perchloric acid solutions. The nitrate-perchlorate complexes of the two metals were extracted and a maximum of K_{distr} was determined.

N. V. Korsakova (Institute of Geology of Ore Deposits, Petrography, Mineralogy, and Geochemistry, Academy of Sciences SSSR). Zirconium determination in complex geological items using picramine P, in which zirconium was determined by solvent extraction-photocolorimetry without preliminary separation using hydrogen peroxide to tie niobium and tantalum as complexes.

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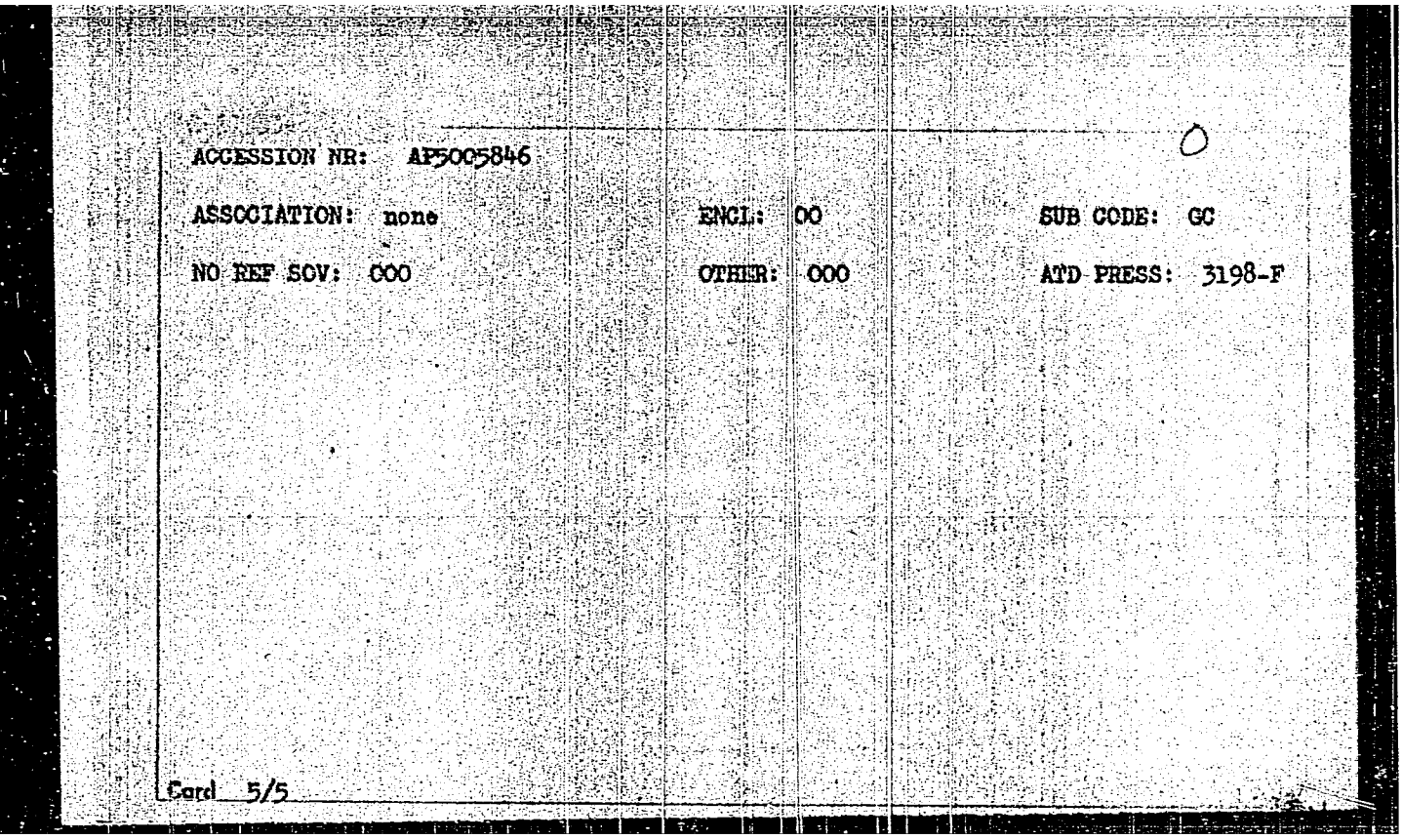

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ASSOCIATION: none ENCL: 00 SUB CODE: GC

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DEDKOV, Yu.M.; PETRUKHIN, O.M.

Moscow Seminar on Analytical Chemistry. Zhur. anal. khim. 20 no.9:1029 '65. (MIRA 18:9)

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